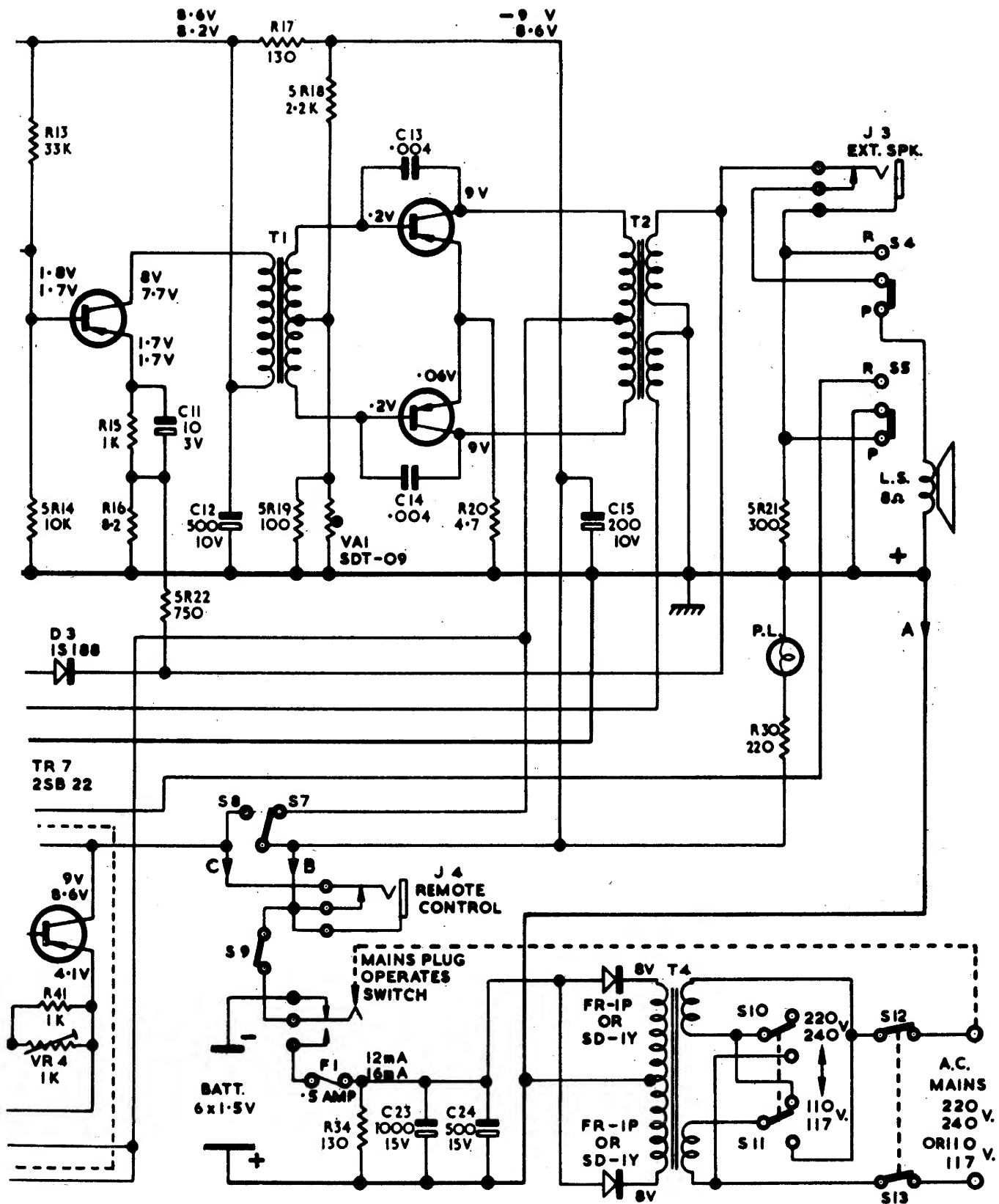


**General Description:** Eight-transistor portable tape recorder. Power output 450 mW. undistorted, 800 mW. maximum. A.C. record bias and D.C. erase bias. Frequency response 100–6000 c/s. at  $3\frac{3}{4}$  in./sec. and 100–3000 c/s. at  $1\frac{7}{8}$  in./sec.

**Warning:** When installing or adjusting Head angle all tools used must be non magnetic, otherwise parts located near the tape may become magnetised, causing static.



(F85a) CIRCUIT DIAGRAM—MODEL R19 (PART)



PREFIX 5 ON R's IS  $\pm 5\%$ .  
 UNMARKED R's  $\pm 10\%$ .  
 VOLTAGES TAKEN WITH A.V.O. 8, RELATIVE TO BATT. +  
 NO SIGNAL INPUT. 240V. MAINS.  
 ON DUAL VOLTAGE FIGURES  
 UPPER IS PLAYBACK, LOWER IS RECORD.  
 ADJUST VR.3 FOR 9.5mV. ACROSS R26.  
 ADJUST VR.4 FOR 4V. ACROSS MOTOR.

F85b